

ABSTRACT

The invention has for its object to provide an EL phosphor multilayer thin film and EL device which can emit light with improved luminance. This object is achieved by the provision of an EL phosphor multilayer thin film wherein a phosphor thin film and a dielectric thin film are stacked one upon another. The phosphor thin film comprises a matrix material containing as a main component at least one compound selected from an alkaline earth thioaluminate, an alkaline earth thiogallate and an alkaline earth thioindate, and an rare earth element as a luminescent center, and the dielectric thin film comprises an alkaline earth oxide. There is also provided an EL device comprising such an EL phosphor multilayer thin film.